CLAIMS

1. An intelligent portable object (2) of the type comprising at least: first (8) and second (4) communication interfaces with a station (20), at least the first communication interface (8) being of the contactless type able to send and/or receive data by inductive coupling with the station (20); a peripheral circuit (14, 30) connected to the first communication interface (8); and a central data processing circuit (6) connected to the second communication interface (4); characterised in that the peripheral circuit (14, 30) and the central circuit (6) have no connection connecting them together, and in that the first and second communication interfaces comprise a communication protocol arranged so as to make all the data to be exchanged between the peripheral circuit (14, 30) and the central circuit (6) pass via the station (20), which makes it possible not to require any cabled connection between the peripheral circuit (14, 30) and the central circuit (6).

2. An object (2) according to Claim 1, characterised in that the peripheral circuit belongs to the group formed by integrated circuits forming a display (14), keypad (30), memory, light-emitting diode or the like.

3. An object (2) according to Claim 1 or Claim 2,

characterised in that the central circuit (6) belongs to the group formed by integrated circuits forming a processing unit, memory or the like.

4. An object (2) according to one of Claims 1 to 3, characterised in that it comprises several first contactless communication interfaces (8) each connected to a respective peripheral circuit (14, 30).

5. An object (2) according to one of Claims 1 to 4, characterised in that the second communication interface (4) is of the contactless type able to send and/or receive data by inductive coupling with the station (20).

6. An object (2) according to one of Claims 1 to 4, characterised in that the second communication interface (4) is of the contact type able to communicate by contacts with the station.

7. A data exchange method of the type in which an intelligent portable object (2) comprises at least first (8) and second (4) communication interfaces with a station (20), at least the first communication interface (8) being of the contactless type able to send and/or receive data by inductive coupling with the station (20); at least one peripheral circuit connected to the first communication interface; and a central data processing circuit (6) connected to the second communication interface, characterised in that

provision is made for there to be no connection connecting together the peripheral circuit and the central circuit, and for equipping the first and second communication interfaces with a communication protocol according to which all the data are exchanged between the peripheral circuit (14, 30) and the central circuit (6) via the station (20) without requiring any cabled connection between the peripheral circuit (14, 30) and the central circuit (6).

8. A method according to Claim 7, in which the data transmission is in the direction from central circuit to peripheral circuit, characterised in that provision is made for modulating the load on the first communication interface (8) according to a chosen modulation, different from that of the second communication interface (4).

9. A method according to Claim 8, characterised in that the modulation of the load on the first communication interface (8) is an amplitude modulation with a degree of modulation of the data of around 10% whilst the modulation of the load on the second communication interface (4) is an amplitude modulation with a degree of modulation of the data of around 100%.

10. A method according to Claim 7, in which the data transmission is in the direction from peripheral circuit to central circuit, characterised in that provision is made for modulating the load on the

station (20) according to a modulation chosen for transmitting data from the peripheral circuit (14, 30) to the central circuit via the station (20).

5   11. A method according to Claim 7, characterised in that the data are exchanged between the peripheral circuit and the central circuit and vice-versa via the station.

10   12. A method according to one of Claims 7 to 11, characterised in that provision is made for equipping the intelligent portable object (2) with several peripheral circuits each connected to a first contactless communication interface (14, 30), and in that all the data exchanged between the processing circuit and each peripheral circuit (14, 30) pass via the station (20).

          13. A peripheral circuit able to be deposited within an intelligent portable object (2) equipped with a central data processing circuit (6), characterised in that it comprises an interface (4) for communication by inductive coupling with a station (20), in that there is no connection connecting it to the central circuit (6) and in that in addition it is able to exchange data with the central circuit of the intelligent portable object via the station (20) without requiring any cabled connection connecting it to the central circuit.

30   14. A circuit according to Claim 13, characterised

in that this peripheral circuit is a circuit forming a display (14).

15. A circuit according to Claim 13, characterised
5   in that this peripheral circuit is a circuit forming a keypad (30).